

## Product datasheet for **MR209914**

### Dym (NM\_027727) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dym (NM_027727) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dym
Synonyms:	1810041M12Rik; 4933427L07Rik; C030019K18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209914 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGATCGAACAGCAGCAAGATCAGTGATCTTCCGAAAAACGAGTACTTAAAAAGCTGTCAGGCCCG  
 AGTCTATATCTGAAAACGACCCCTTCTGGAATCAGCTCTTTTCATTTCTTTCCCCGCACCAACCAGCAG  
 TTCTGAGTTGAAGCTATTGGAAGAGGCAACCATTTTCAGTTTGCAAGTCTTTGGTTGAAAACAACCCCTCGA  
 ACAGGAAATCTTGCTGCGCTAACTAAGGTCTTCTATCTAGAACCAGGGAGCTCAGGCTCTCAGCCGAGT  
 GTCAGAACCACATCTTCATCTGGCAGACACACAATGCTCTGTTTATTATTTGCTGCTTGCTGAAAGTGTT  
 CATCCGTGAGCTGTCTGAGGAAGAGCTGCAGTTCATTTTACATATGAAGAAAAGTCCCCGGCAGCTAC  
 AGTTCTGACTCTGAAGACCTTCTGGAAGAGTTGCTCTGCAGCTTGGTACAGTTAATCACTGATACTCCAC  
 TCTTGGATATCACGTATGAGATAGCAGTGGAGGCCATCTCGGCAATGGTGTCTTCTTTCTGCCAACT  
 CTTCCACAAGGAGTTCTGCGACAGAGCATCAGTCACAAGTACCTGATGCAAGGCCCATGTCTTCCCTAC  
 ACCAGTAAACTTGTGAAAACCTTATTGTATAACTTTATCAGACAAGAAAAGCCACCTCCGCCCGGAACCC  
 ATGCTCTCCCTCAGCAGTCGGATGGGGGAGGACTGCTGTATGGACTGGCATCAGGAGTAGCAACTGGTCT  
 CTGGACTGTCTTACGCTAGGCGGGGCAGGCAGCAAAGCAGCTGCGTCCCAGAACTTACATCTCCTCTG  
 GCCAACAGAGTCTCCTGCTGCTGCTGGTGGTGAACCTGACGGATGCCCCAGACATACCCAACCCCT  
 ACAGGCAAGCTGTCTCGTCATTTAAGAACACGCAAGACAGCAGTCCGTTCCCATCATCAATTCCTCATACT  
 CTTCCAGATTAACCTTAAACAGTTGTACACAGCCCTGTGTGAGCAGCAGACGTCTGATCAGGCAACGCTG  
 CTCCTGTACACGCTGCTCCACCAGAACAGCAATGTCAGGACGTACGTGCTGGCCCGACGGATATGGAAA  
 ATCTTGTTTTACCAATTTGAGATTTTGTATCATGTTGAGGAAAGAACTCACACCATGTCTATATGGC  
 CTTATAATCCTGTTGATCCTTACAGAAGACGATGGCTTCAATCGGTCCATTTCATGAAGTGATATTAAGA  
 AACATTACTTGGTATTCAGAAAGAGTCTTAACTGAGATTTCCCTGGGGAGCCTCCTAATTCGGTGGTAA  
 TAAGAACCATCCAGTACAATATGACCAGGACTCGAGACAAGTACCTGCACACAACTGCCTGGCGGCTTT  
 AGCAAACATGTCAGCGCAGTTCCGCTCCCTCCACCAGTACGCTGCCAGAGGATCATCAGTTTGTTTTCT  
 TTGCTGTCTAAAAACACAACAAGGTCTGGAGCAAGCCACGCAGTCTTGAGAGGTCCCCTGAGCTCCA  
 GCGATGTCCTCTCCAGATTATGCACAGGACCTCAGTGTCTTGAAGAAGTGATTCCGGATGATGCTGGA  
 GATCATCAACTCCTGCCTGACAAATCTCTTACCACAACCCAACTTGGTGTACGCCTTGCTTTACAAA  
 CGGGACCTCTTTGAGCAATTCGAACTCATCCCTCATTCCAGGACATAATGCAAAACATTGACCTGGTGA  
 TCTCCTTCTTTAGCTCAAGACTTCTACAAGCTGGAGCTGAGCTGTGCGGTGAAAGGGTCTTGAAATCAT  
 TAAACAAGGGGTTGTGGCGCTGCCAAAAGACAGACTAAAGAAGTTTCCAGAACTGAAGTTCAAATACGTG  
 GAGGAAGAGCAGCCTGAGGAGTTCTTATCCCGTACGTCTGGTCCCTGGTCTACAACCTCAGCGGTCCGGT  
 TGTAAGGATGACGACGATAAGGTTTAA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209914 protein sequence  
Red=Cloning site Green=Tags(s)

MGSNSSKISDLPKNEYLKKLSGPESISENDPFWNQLFSFSFPAPTSSSELKLEEATISVCKSLVENNPR  
 TGNLAALTKVFLSRTRELRLSAEQNHIFIWQTHNALFIICLLKVFIRELSEELQLHFTYEKSPGSY  
 SSDEDLLEELLCSLVQLITDTPLLDITYEIAVEAISAMVVFLSCQLFHKEVLRQSI SHKYL MQGPCLPY  
 TSKLVKTL LYNFIRQEKPPPPGTHVFPQQSDGGGLLYGLASGVATGLWTVFTLGGAGSKAAASPELTSPL  
 ANQSL L L L L L V L V N L T D A P D I P N P Y R Q A V S S F K N T Q D S S P F P S S I P H T F Q I N F N S L Y T A L C E Q Q T S D Q A T L  
 L L Y T L L H Q N S N V R T Y V L A R T D M E N L V L P I L E I L Y H V E E R N S H H V Y M A L I L L I L T E D D G F N R S I H E V I L R  
 N I T W Y S E R V L T E I S L G S L L I L V V I R T I Q Y N M T R T R D K Y L H T N C L A A L A N M S A Q F R S L H Q Y A A Q R I I S L F S  
 L L S K K H N K V L E Q A T Q S L R G P L S S D V P L P D Y A Q D L S V I E E V I R M M L E I I N S C L T N S L H H N P N L V Y A L L Y K  
 R D L F E Q F R T H P S F Q D I M Q N I D L V I S F F S R L L Q A G A E L S E R V L E I I K Q G V V A L P K D R L K K F P E L K F K Y V  
 E E E Q P E E F F I P Y V W S L V Y N S A V G L Y W N P Q D I Q L F A M D S D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_027727

**ORF Size:** 2010 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_027727.3](#)

**RefSeq Size:** 2471 bp

**RefSeq ORF:** 2010 bp

**Locus ID:** 69190

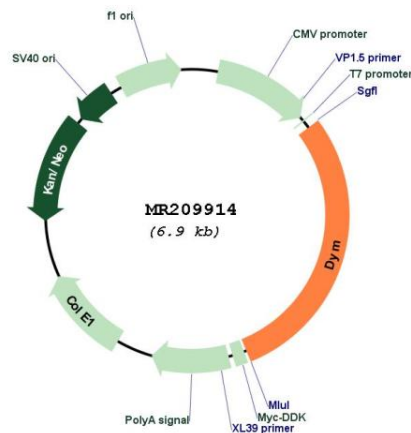
**UniProt ID:** [Q8CHY3](#)

**Cytogenetics:** 18 E2-E3

**MW:** 75.8 kDa

**Gene Summary:** Necessary for correct organization of Golgi apparatus. Involved in bone development. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR209914